

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for adapting a hearing device to a momentary acoustic surround situation, the method comprising the steps of:

identifying a momentary surround situation;

automatically adjusting parameters of a parameter set saved in the hearing device and belonging to the ~~an~~ identified momentary surround situation with the aid of an input unit operated by the hearing device user in accordance with the hearing desire of the hearing device user; and

manually adjusting parameters of said parameter set further in accordance with the hearing desire of the hearing device user.

2. (original) The method of claim 1 further comprising the step of automatically identifying the momentary acoustic surround situation.

3. (original) The method of claim 2 wherein the momentary acoustic surround situation is determined in the hearing device.

4. (original) The method of claim 1 further comprising the step of adjusting the parameters of the adjusted parameter set starting from an adjusted nominal value

within a preset control range in one of two opposing direction.

5. (original) The method of claim 1 wherein the parameters of the parameter set are being adjusted at the same time and commonly according to preset rules or rule sets, respectively.

6. (original) The method of claim 5 wherein the adjustment of the parameters of the parameter set are being performed in the sense of "better understanding", at the one hand, and in the sense of "more pleasant hearing", at the other hand.

7. (original) The method of claim 1 further comprising the step of saving the parameter sets adjusted in accordance to the hearing desire of the hearing device user.

8. (original) The method of claim 3 further comprising the step of saving the parameter sets adjusted in accordance to the hearing desire of the hearing device user.

9. (original) The method of claim 5 further comprising the step of saving the parameter sets adjusted in accordance to the hearing desire of the hearing device user.

10. (original) The method of claim 6 further comprising the step of saving the parameter sets adjusted

in accordance to the hearing desire of the hearing device user.

11. (currently amended) The method of one of the claims 7 to 10 wherein an originally saved parameter set assigned to a certain acoustic surround situation is being replaced ~~exchanged~~ by a corresponding corrected parameter set adjusted by the hearing device user if, for this specific acoustic surround situation, the originally saved parameter set has been changed several times by the hearing device user in the same manner.

12. (original) The method of claim 2 wherein characteristic features are being extracted in the hearing device first from signals which are recorded from the momentary acoustic surround situation, and then the momentary acoustic surround situation is being determined based on the extracted features.

13. (original) The method of claim 1 further comprising the step of selecting adjustable parameters as a function of the momentary acoustic surround situation.

14. (original) The method of claim 1 further comprising the step of changing parameter values as a function of the momentary acoustic surround situation.

15. (currently amended) A hearing device system comprising:

a hearing device_i and
an input unit_i[[,]] wherein

the hearing device comprises:

a transmission unit,

at least one microphone, and

a receiver, wherein the transmission unit, which,
on its input side, is operationally
connected to the at least one microphone
and, on its output side, to the receiver and
which is adjustable to different
transmission characteristics determined by
saved parameter sets to adjust its
transmission characteristics, wherein

the input unit is operable by the hearing device user
and is operationally connected to the
transmission unit, and wherein

the parameters of the adjusted parameter sets
resulting from the momentary transmission
characteristics of the transmission unit are
automatically adjustable according to the hearing
desire of the hearing device user with the aid of
the input unit, and wherein

said parameters are further manually adjustable
according to the hearing desire of the hearing
device user.

16. (original) The hearing device system of claim 15,
wherein the hearing device further comprises a signal
processing unit to which the input signal of the
transmission unit is being fed, the signal processing unit
being able to identify the momentary acoustic surround

situation, and wherein an adjustment of the parameter set belonging to the identified acoustic surround situation is effectuated in the transmission unit.

17. (original) The hearing device system of claim 15, wherein the parameters of the adjusted parameter set are adjusted starting from an adjusted nominal value within a preset control range in one of two opposing directions with the aid of an input unit, the adjustment of the parameters of the parameter set being preferably adjusted at the same time and commonly according to preset rules or rule sets, respectively, saved in the hearing device.

18. (original) The hearing device system of claim 15, wherein the adjustment of the parameters of the adjusted parameter set is done with the aid of the input unit in the sense of "better understanding", at one hand, and in the sense of "more pleasant hearing", on the other hand.

19. (original) The hearing device system of claim 17, wherein the adjustment of the parameters of the adjusted parameter set is done with the aid of the input unit in the sense of "better understanding", at one hand, and in the sense of "more pleasant hearing", on the other hand.

20. (currently amended) The hearing device system of ~~one of the claims~~ claim 16, wherein the signal processing unit comprises a signal analyzing unit operationally connected to at least one microphone, which signal analyzing unit extracts characteristic features from signals recorded by the at least one microphone from the

momentary acoustic surround situation, as well as a signal identification unit connected to the output of the signal analyzing unit, in which signal identification unit the momentary acoustic surround situation is being determined based on the extracted features and which signal identification unit, on its output side, is connected to the transmission unit.

21. (original) The hearing device system of one of the claims 15 to 20, wherein the input unit is designed to manually input data by a key board.

22. (original) The hearing device system of one of the claims 15 to 20, wherein the input unit is designed for speech controlled input of data.

23. (original) The hearing device system of one of the claims 15 to 20, wherein the input unit is designed as remote control separated from the hearing device and is connected to the transmission unit wirelessly.

24. (original) The hearing device system of one of the claims 15 to 20, wherein the input unit is integrated into the hearing device.

25. (original) The hearing device system of claim 20, wherein the key board of the input unit comprises two buttons of which each is used to adjust the parameters of a parameter set in one of the two opposing directions.

26. (currently amended) An input unit comprising input

means to generate information for an automatic and a manual adjustment of parameters of a parameter set of a hearing device, and transmission means to transmit the information to the hearing device, wherein the adjustment of the parameters is performed in the sense of "better understanding", at one hand, and in the sense of "more pleasant hearing", on the other hand.

27. (currently amended) The input unit of claim 26 ~~25~~, wherein the transmission means is capable of wirelessly transmitting the information to the hearing device.